



# Security Classification Guide

TEAL RAIN

6 March 1979

Strategic Technology Office

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DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

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SECURITY CLASSIFICATION GUIDE

FOR

TEAL RAIN PROGRAM

ISSUED BY: DEFENSE ADVANCED RESEARCH PROJECTS AGENCY

DATE: 6 MAR 1979

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## Section 2

### Overall Effort

#### Identification:

A. TEAL RAIN Program: The nickname TEAL RAIN denotes a DARPA program directed toward the research, development, test and evaluation of experimental long endurance vehicles. The performance capability and specific mission applications of such a vehicle are deemed a critical National asset whose protection warrants extraordinary security precautions. The connection between the DARPA TEAL RAIN program and the performance goals and capabilities, signature goals and capabilities or specific mission applications shall be given limited access.

B. The use of the term TEAL RAIN as a DARPA program is Unclassified. Any reference to the interest of DARPA in long endurance vehicle technology is Unclassified.

## Section 3

### Administrative Data

<u>Information Revealing</u>	<u>Classified</u>	<u>Remarks</u>
A. A complete list of contractors and/or subcontractors and/or contract numbers.	U	
B. The relationship between contractors/subcontractors and/or between contractors and government agencies.	U	
C. AF and/or contractor model and/or type designations, including nicknames.	U	TEAL RAIN and other similar type identification. Care will be taken not to include any descriptive information that would disclose mission or other operational data. Declassify - 10 Mar 1999
D. Objective	S	
E. Funding	U	
F. Schedule	C	Declassify - 10 Mar 1984
G. Status (Relative to Schedule)	U	

Section 4Studies

<u>Information Revealing</u>	<u>Classification</u>	<u>Remarks</u>
<u>A. Theoretical Studies</u> (including calculation and experimental data)		
1. Generic in nature and not related to specific military application.	U/S	Classify consistent with instructions in Section 5. Declassify - 10 Mar 1999
2. Related to specific military application	S	Declassify - 10 Mar 1999
<u>B. System Studies</u>		
System studies revealing:		
1. General or specific system concepts	S	Declassify - 10 Mar 1999
2. Detailed description of system and system components.	S	Declassify - 10 Mar 1999
3. Performance requirements, capabilities, and limitations	S	Declassify - 10 Mar 1999
4. Vulnerability to counter-measure.	S	Declassify - 10 Mar 1999

Section 5Performance and Capabilities

<u>Information Revealing</u>	<u>Classification</u>	<u>Remarks</u>
<u>A. Integrated System</u>		
1. Complete airframe structural design and flight control sub-systems (less payloads)	S	Declassify - 10 Mar 1999
2. Specific performance:		
a. Speed/altitude envelope	S	Declassify - 10 Mar 1999
b. Service ceiling	S	" "
c. Launch speeds and/or altitude	S	" "
d. Acceleration/deceleration limitations	C	Declassify - 10 Mar 1984
e. Navigation accuracy	S	Declassify - 10 Mar 1999
f. Maneuverability limitations	C	Declassify - 10 Mar 1984
g. Maximum range and/or endurance	S	Declassify - 10 Mar 1999
h. Fuel capacity/consumption	S	" "
i. Take-off speed/runway length	C	Declassify - 10 Mar 1984
j. Landing speed/runway length	C	" "

<u>Information Revealing</u>	<u>Classification</u>	<u>Remarks</u>
3. Physical Characteristics:		
a. Length/diameter	C	Declassify - 10 Mar 1984
b. Weight-gross weight/max- imum launch gross weight	C	" "
c. Empty weight	C	" "
4. External views		
a. Dimensionable	S	Classify consistent with nature of information disclosed and guidance for supporting systems/ subsystems identified in other sections of this guide - Declassify - 10 Mar 1999
b. Non-Dimensionable	C	Declassify - 10 Mar 1984
5. Internal photographs/drawings	S	Declassify - 10 Mar 1999
6. Signature Characteristics:	S	Declassify - 10 Mar 1999
7. Vulnerability to counter- measures	S	" "
8. Reliability	S	" "
9. Mission Application	S	Declassify - 10 Mar 1999
10. Payload description which would reveal specific mission parameters or capabilities to accomplish the mission	S/TS	Classify according to specific payload classifi- cation guide (Note: Classification of payload could be SA0) - Declassify according to payload declassification guide.
11. Assembled end item air vehicle with payload	S/TS	Governed by security classification of sub- systems or payloads installed as reflected in other sections of this guide. Declassify - 10 Mar 1999

<u>Information Revealing</u>	<u>Classification</u>	<u>Remarks</u>
<u>B. Propulsion Subsystem</u>		
1. Design	S	Declassify - 10 Mar 1999
2. Fuels	S	" "
3. Performance:		
a. Thrust (Specific)	U	
b. SFC	C	Declassify - 10 Mar 1984
c. Maximum Altitude	S	Declassify - 10 Mar 1999
4. External views		
a. Dimensionable	S	" "
b. Undimensionable	C	Declassify - 10 Mar 1964
5. Internal views	S	Declassify - 10 Mar 1999
<u>C. Guidance/Control Systems</u>		
1. TEAL RAIN Mission Control System		
a. Nomenclature of Subsystem Units	U	
b. Design Capabilities	C/S	Secret applies to those parameters such as specific capabilities for system control, priorities of missions supported, etc., which would reveal elements of TEAL RAIN system deployment tactics, or mission profiles. Declassify - 10 Mar 1999
c. Subsystem Design Details	C/S	Secret applies to those details revealing known or potential vulnerabilities to counter measures. Details related to specific sub-system portion of this guide. Declassify - 10 Mar 1999
<u>D. Operational Date</u>		
1. Initial Operational Capability (IOC) Date of TEAL RAIN System	U	Applies to anticipated or postulated IOC date by year only. See paragraph 2 below for guidance when identified by unit and location.

<u>Information Revealing</u>	<u>Classification</u>	<u>Remarks</u>
2. Operational Ready (OR) and/or Operational Capability (OC) Date	C/S	A Confidential classification will apply for information which identifies the "OR" and/or "OC" date for TEAL RAIN system with a particular operational location unless operational mission considerations warrant a higher security classification. Generally, such information is declassified after "OR" or "OC" is attained unless operational mission security requirements dictate otherwise. CONFIDENTIAL - Declassify - 10 Mar 1984. SECRET - Declassify - 10 Mar 1999.
3. Operational performance capabilities and/or limitations	S	Classify consistent with guidance reflected in other applicable sections of this guide. SECRET - Declassify on 10 Mar 1999.

### Section 6

#### Facilities

<u>Information Revealing</u>	<u>Classification</u>	<u>Remarks</u>
A. Location of the site	C	Declassify - 10 Mar 1984
B. General description including system hardware, instrumentation and equipment normally at the site	C	" "
C. General description and external view (visual or photographic) of TEAL RAIN peculiar hardware, instrumentation, etc.	C	" "
D. Specific descriptions and external views of TEAL RAIN peculiar hardware which implies system performance or objectives.	S	Declassify - 10 Mar 1999

## Section 7

### Implementation

#### A. TEAL RAIN Access Levels

TEAL RAIN access will be granted according to one of three levels designed below:

##### 1. Level 1 (Lowest): General Administrative

This level is for the support personnel whose function may require access to Level 2 or 3 program data but in a transient or non-evaluative manner. Examples include clerical, procurement, audit, reproduction, graphics, courier and security. In essence they manipulate/process data rather than create it. These personnel should be told only that they are working on a sensitive limited access program and should neither discuss or technically question any program specifics to which they have access.

##### 2. Level 2 (Intermediate): System Integration and Development

This level is for the creative specialist involved in the design, integration and development of the vehicle and its subsystems. These personnel have access to vehicle performance and signature goals and capabilities but not to specific payload capabilities and mission applications. They have information on payload/vehicle interface requirements and general mission operating conditions. The classification of the material at this level would extend up through SECRET.

##### 3. Level 3 (Highest): System Application

This level covers the Level 2 access plus the specific payload capabilities and mission applications. The classification of the material at this level could extend up through TOP SECRET and include SAO material.

#### B. Granting Authority:

The granting authority for TEAL RAIN access, all 3 levels is the Director or Deputy Director of DARPA. Requests for TEAL RAIN access should be made in writing through the DARPA Program Manager to the Director/Deputy Director of DARPA.

#### C. Contractor Work Areas:

All study and design effort and all classified documents associated with the TEAL RAIN programs shall be kept within a floor-to-interior ceiling secured area with access controlled by key card, cypher lock, and combination lock. System integration and vehicle final assembly shall be kept within the controlled area. Vehicle sub-assemblies which reveal large portions of exterior shape shall also be kept within the controlled area.



# D. Security Responsibility Matrix:

## 1. DARPA

- a. Issue DARPA TEAL RAIN Security Classification Guide.
- b. In conjunction with Agent, establish and promulgate security guidelines.
- c. Exercise authority to authorize additions and deletions to access list at all 3 levels.
- d. Brief and debrief necessary personnel and maintain file of brief/debrief statements.
- e. Maintain list of all personnel with TEAL RAIN access
- f. Issue periodic access lists.

## 2. Agent

- a. In conjunction with DARPA, establish and promulgate program security guidelines.
- b. Request TEAL RAIN access for necessary personnel thru DARPA Program Manager.
- c. Brief and debrief necessary personnel and maintain file of brief/debrief statements.

## 3. Major Contractors

- a. Request TEAL RAIN access for necessary personnel thru DARPA Program Manager.
- b. Brief and debrief necessary personnel and maintain file of brief/debrief statements.

## Section 8

### Classification Justification

Notice that certain program features have automatic declassification extended past 6 years to 10 March 1999. This justification is in accordance with DoD 5200.1R for the reason that the continuing protection of certain program information is essential to national security as it reveals defense capabilities which, if lost, cannot be regained or replaced promptly.

TEAL RAIN Secrecy Oath

In connection with the briefing and briefing statement made available to me regarding the TEAL RAIN Programs, I hereby acknowledge that:

- I have been the recipient of highly classified information concerning a sensitive endeavor of the United States Government.
- Restrictive security measures and controls have been established to preserve the program's security.
- I will not divulge TEAL RAIN information to anyone not previously cleared to the proper security level or having a verified need-to-know.

Persons cleared for TEAL RAIN who have a question concerning another person's clearance status, shall verify the existence of the proper level of clearance prior to disseminating any information concerning TEAL RAIN. Proper clearances may be verified by the TEAL RAIN Program Managers or my security officer designated to handle TEAL RAIN security.

Having read and understood the preceding information, I hereby accept the responsibility to handle information concerning TEAL RAIN in accordance with the security measures established. I will not divulge, publish, or reveal any classified information or knowledge relative to TEAL RAIN material except in the performance of my official duties. I will advise my employer's security officer designated to handle TEAL RAIN security matters of any change in my status so as to permit a review of my "need-to-know" and, where necessary, to effect an appropriate debriefing.

\_\_\_\_\_  
DATE

PERSON BRIEFED:

WITNESSED BY:

\_\_\_\_\_  
Print/Type Name

\_\_\_\_\_  
Print/Type Name

\_\_\_\_\_  
Title & Organization

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

Social Security No. \_\_\_\_\_

\_\_\_\_\_  
Title & Organization

Level 1 (Administrative) \_\_\_\_\_

Level 2 (System Integration & Dev) \_\_\_\_\_

Level 3 (System Application) \_\_\_\_\_

CONFIDENTIAL (When filled in)

TEAL RAIN Debriefing Oath

I am aware that my need-to-know for continued access to the TEAL RAIN Program has ceased. I will never hereafter divulge any information which I have acquired as an authorized recipient of TEAL RAIN material nor discuss with any person any information concerning TEAL RAIN Programs to which I have had access, unless and until relieved from this obligation by written notice from competent authority.

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Witness

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Signature

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Date

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Typed NameActivity 

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CONFIDENTIAL (When filled in)